

Mouse Choline acetyltransferase ELISA Kit | ChAT elisa kit

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CATALOG #
AAA16189

REACTIVITY
Mouse

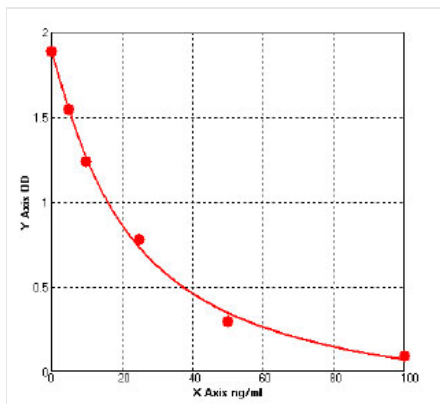
PRODUCT SYNONYMS

Choline acetyltransferase; Mouse Choline acetyltransferase ELISA Kit; ChAT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of ChAT. No significant cross-reactivity or interference between ChAT and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between ChAT and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ChAT elisa kit	Principle of the Assay: ChAT ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-ChAT antibody and an ChAT-HRP conjugate. The assay sample and buffer are incubated together with ChAT-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the ChAT concentration since ChAT from samples and ChAT-HRP conjugate compete for the anti-ChAT antibody binding site. Since the number of sites is limited, as more sites are occupied by ChAT from the sample, fewer sites are left to bind ChAT-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ChAT concentration in each sample is interpolated from this standard curve. Intended Uses: This ChAT ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse ChAT. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
Product Categories/Family for ChAT elisa kit	Neurobiology

NCBI AND UNIPROT INFORMATION

NCBI GI #	553229
NCBI GeneID	1103
Molecular Weight	70,394 Da
NCBI Official Full Name	choline acetyltransferase, partial
NCBI Official Synonym Full Names	choline O-acetyltransferase
NCBI Official Symbol	CHAT
NCBI Official Synonym Symbols	CMS1A; CMS1A2; CHOACTASE
NCBI Protein Information	choline O-acetyltransferase; choline acetylase; acetyl CoA:choline O-acetyltransferase
UniProt Protein Name	Choline O-acetyltransferase
UniProt Gene Name	CHAT
UniProt Synonym Gene Names	CHOACTase; ChAT; Choline acetylase
UniProt Entry Name	CLAT_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/chat-mouse-elisa-kits/choline-acetyltransferase/16189>